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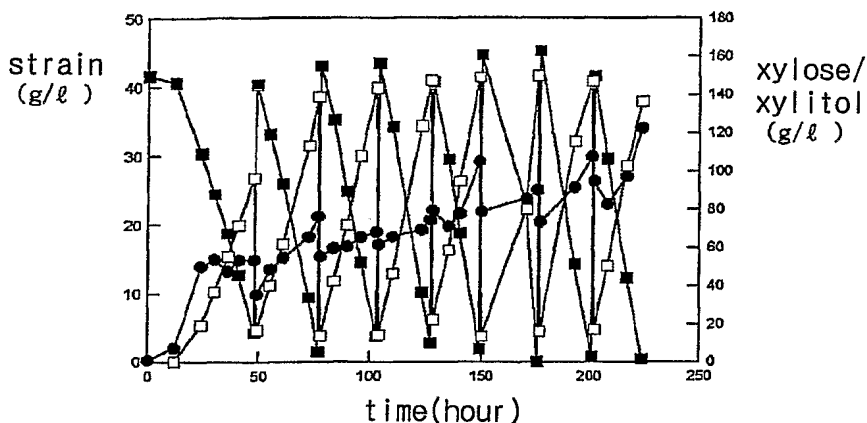
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(54) Title: METHOD FOR PREPARING XYLITOL WITH HIGH YIELD USING RECYCLING MICROORGANISM



(57) Abstract: Provided is a process for continuously producing xylitol in high yield and productivity using a vacuum microfiltration bioreactor containing a fermentation medium for a strain of the genus *Candida*, which includes: 5 300 g/l of xylose, 1 10 g/l of urea, 1 10 g/l of potassium diphosphate, 0.01 1 g/l of magnesium sulfate, 0.1-10 mg/l of  $\text{MnSO}_4 \cdot 4\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{NaMoO}_4 \cdot 2\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ , 0.1 10 mg/l of  $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ , 0.01-5 mg/l of

$\text{H}_3\text{BO}_3$ , 1-100 mg/l of  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ , 0.1-10 mg/l of ascorbic acid, 1-100 mg/l of biotin, 1-100 mg of choline, 1-200 mg/l of folic acid, 1-100mg/l of inositol, 1-100 mg/l of nicotinic acid, 0.1-10 mg/l of *p*-aminobenzoic acid, 1-100 mg/l of pantothenic acid, 0.1-10 mg/l of pyridoxine, 10-1,000 mg/l of riboflavin, and 1-100 mg/l of thiamine.